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SEQUENCE LISTING

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<120> Transcription regulating factors

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ccc tat gag gag gaa atc atg cgg aac caa ttc tct gtc aaa tgc tgg 150
Pro Tyr Glu Glu Glu Ile Met Arg Asn Gln Phe Ser Val Lys Cys Trp

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Leu Arg Tyr Ile Glu Phe Lys Gln Gly Ala Pro Lys Pro Arg Leu Asn
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Gln Leu Tyr Glu Arg Ala Leu Lys Leu Leu Pro Cys Ser Tyr Lys Leu

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Trp Tyr Arg Tyr Leu Lys Ala Arg Arg Ala Gln Val Lys His Arg Cys

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Phe	Val	Phe	Met	His	Lys	Met	Pro	Arg	Leu	Trp	Leu	Asp	Tyr	Cys	Gln	
		105					110					115				
ttc	ctc	atg	gac	cag	ggg	cgc	gtc	aca	cac	acc	cgc	cgc	acc	ttc	gac	438
Phe	Leu	Met	Asp	Gln	Gly	Arg	Val	Thr	His	Thr	Arg	Arg	Thr	Phe	Asp	
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cgt	gcc	ctc	cgg	gca	ctg	ccc	atc	acg	cag	cac	tct	cga	att	tgg	ccc	486
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cga	ggc	tat	cgg	cgc	ttc	ctc	aag	ctg	agt	cct	gag	agt	gca	gag	gag	582
Arg	Gly	Tyr	Arg	Arg	Phe	Leu	Lys	Leu	Ser	Pro	Glu	Ser	Ala	Glu	Glu	
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tac att gag tac ctc aag tca agt gac cgg ctg gat gag gcc gcc cag

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Met	Glu	Thr	Ala	Ser	Glu	Leu	Gly	Arg	Glu	Glu	Glu	Asp	Asp	Val	Asp	
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Leu	Leu	Leu	Asn	Ser	Val	Leu	Leu	Arg	Gln	Asn	Pro	His	His	Val	His	
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Glu	Trp	His	Lys	Arg	Val	Ala	Leu	His	Gln	Gly	Arg	Pro	Arg	Glu	Ile	
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aag	gtg	aac	ttc	aag	cag	gtg	gat	gac	ctg	gca	agc	gtg	tgg	tgt	cag	1350
Lys	Val	Asn	Phe	Lys	Gln	Val	Asp	Asp	Leu	Ala	Ser	Val	Trp	Cys	Gln	
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Cys	Gly	Glu	Leu	Glu	Leu	Arg	His	Glu	Asn	Tyr	Asp	Glu	Ala	Leu	Arg	
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Asp	Gly	Ser	Glu	Pro	Val	Gln	Asn	Arg	Val	Tyr	Lys	Ser	Leu	Lys	Val	
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490 495 500

Trp Ser Met Leu Ala Asp Leu Glu Glu Ser Leu Gly Thr Phe Gln Ser

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Thr	Lys	Ala	Val	Tyr	Asp	Arg	Ile	Leu	Asp	Leu	Arg	Ile	Ala	Thr	Pro	
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Gln	Ile	Val	Ile	Asn	Tyr	Ala	Met	Phe	Leu	Glu	Glu	His	Lys	Tyr	Phe	
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Pro	Asn	Val	Ser	Asp	Ile	Trp	Ser	Thr	Tyr	Leu	Thr	Lys	Phe	Ile	Ala	
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Ala	Leu	Asp	Gly	Cys	Pro	Pro	Lys	Tyr	Ala	Lys	Thr	Leu	Tyr	Leu	Leu	
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Val	Tyr	Glu	Arg	Ala	Thr	Arg	Ala	Val	Glu	Pro	Ala	Gln	Gln	Tyr	Asp	
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G1y	Glu	Ile	Asp	Arg	Ala	Arg	Ala	Ile	Tyr	Ser	Phe	Cys	Ser	Gln	Ile	
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tgt	gac	ccc	cgg	acg	acc	ggc	gcg	ttc	tgg	cag	acg	tgg	aag	gac	ttt	2166
0	Α	D	A	TO I	an i	0.1	A 7	D'	m	0.1	m'	m	-		5 1	

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Leu	Ala	Pro	G1y	Gln	Ser	Gly	Met	Asp	Asp	Met	Lys	Leu	Leu	Glu	Gln	
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Arg	Ala	Glu	Gln	Leu	Ala	Ala	Glu	Ala	Glu	Arg	Asp	Gln	Pro	Leu	Arg	
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gcc	cag	agc	aag	atc	ctg	ttc	gtg	agg	agt	gac	gcc	tcc	cgg	gag	gag	2454
Ala	Gln	Ser	Lys	Ile	Leu	Phe	Val	Arg	Ser	Asp	Ala	Ser	Arg	Glu	Glu	
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Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala Leu Lys Leu Leu 50 55 60

Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu Lys Ala Arg Arg Ala 65 70 75 80

Gln Val Lys His Arg Cys Val Thr Asp Pro Ala Tyr Glu Asp Val Asn
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Asn Cys His Glu Arg Ala Phe Val Phe Met His Lys Met Pro Arg Leu
100 105 110

Trp Leu Asp Tyr Cys Gln Phe Leu Met Asp Gln Gly Arg Val Thr His

115 120 125

Thr Arg Arg Thr Phe Asp Arg Ala Leu Arg Ala Leu Pro Ile Thr Gln
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His Ser Arg Ile Trp Pro Leu Tyr Leu Arg Phe Leu Arg Ser His Pro

Leu Pro Glu Thr Ala Val Arg Gly Tyr Arg Arg Phe Leu Lys Leu Ser Pro Glu Ser Ala Glu Glu Tyr Ile Glu Tyr Leu Lys Ser Ser Asp Arg Leu Asp Glu Ala Ala Gln Arg Leu Ala Thr Val Val Asn Asp Glu Arg Phe Val Ser Lys Ala Gly Lys Ser Asn Tyr Gln Leu Trp His Glu Leu Cys Asp Leu Ile Ser Gln Asn Pro Asp Lys Val Gln Ser Leu Asn Val Asp Ala Ile Ile Arg Gly Gly Leu Thr Arg Phe Thr Asp Gln Leu Gly Lys Leu Trp Cys Ser Leu Ala Asp Tyr Tyr Ile Arg Ser Gly His Phe

Glu Lys Ala Arg Asp Val Tyr Glu Glu Ala Ile Arg Thr Val Met Thr
275 280 285

Val Arg Asp Phe Thr Gln Val Phe Asp Ser Tyr Ala Gln Phe Glu Glu
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Ser Met Ile Ala Ala Lys Met Glu Thr Ala Ser Glu Leu Gly Arg Glu
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Leu Ile Ser Arg Arg Pro Leu Leu Leu Asn Ser Val Leu Leu Arg Gln

340 345 350

Asn Pro His His Val His Glu Trp His Lys Arg Val Ala Leu His Gln
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Gly Arg Pro Arg Glu Ile Ile Asn Thr Tyr Thr Glu Ala Val Gln Thr 370 375 380

Val Asp Pro Phe Lys Ala Thr Gly Lys Pro His Thr Leu Trp Val Ala 385 390 395 400

Phe Ala Lys Phe Tyr Glu Asp Asn Gly Gln Leu Asp Asp Ala Arg Val
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Ile Leu Glu Lys Ala Thr Lys Val Asn Phe Lys Gln Val Asp Asp Leu
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Ala Ser Val Trp Cys Gln Cys Gly Glu Leu Glu Leu Arg His Glu Asn
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Tyr Asp Glu Ala Leu Arg Leu Leu Arg Lys Ala Thr Ala Leu Pro Ala 450 455 460

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Arg Asp Leu Phe Glu Gln Ala Leu Asp Gly Cys Pro Pro Lys Tyr Ala 580 585 590

Lys Thr Leu Tyr Leu Leu Tyr Ala Gln Leu Glu Glu Glu Trp Gly Leu
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Glu Val Leu Ser Asp Glu His Ala Arg Glu Met Cys Leu Arg Phe Ala 660 665 670

Asp Met Glu Cys Lys Leu Gly Glu Ile Asp Arg Ala Arg Ala Ile Tyr
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Gln Thr Trp Lys Asp Phe Glu Val Arg His Gly Asn Glu Asp Thr Ile
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Lys Glu Met Leu Arg Ile Arg Arg Ser Val Gln Ala Thr Tyr Asn Thr
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Thr Gly Thr Val Ser Asp Leu Ala Pro Gly Gln Ser Gly Met Asp Asp
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Met Lys Leu Leu Glu Gln Arg Ala Glu Gln Leu Ala Ala Glu Ala Glu 770 775 780

Arg Asp Gln Pro Leu Arg Ala Gln Ser Lys Ile Leu Phe Val Arg Ser 785 790 795 800

Asp Ala Ser Arg Glu Glu Leu Ala Glu Leu Ala Gln Gln Val Asn Pro 805 810 815

Glu Glu Ile Gln Leu Gly Glu Asp Glu Asp Glu Asp Glu Met Asp Leu
820 825 830

Glu Pro Asn Glu Val Arg Leu Glu Gln Gln Ser Val Pro Ala Ala Val 835 840 845 Phe Gly Ser Leu Lys Glu Asp 850 855